

Pressure Sensing Fabrics

Combine reliable pressure measurements with design flexibility and user comfort. Our force-sensing resistor (FSR) or piezo-resistive fabrics are especially suited for pressure sensing applications that require a durable, comfortable and breathable textile.



Product features

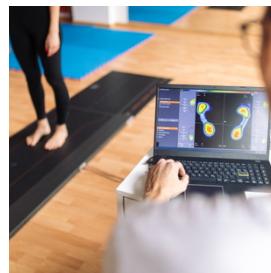
No compromise on sensitivity, design and comfort

The demand for data-driven insights is becoming crucial in many industries for improving process efficiency, fostering innovation, ensuring safety, and promoting wellbeing. Textile-based pressure sensors are playing an increasingly important role in this trend.

- Healthcare and therapy: enhancing patient treatment outcomes
- Production environments: ensuring safe collaboration between employees and robots
- Sports and fitness: monitoring performance and preventing injuries
- Wellbeing: improving sleep quality in the bedroom.

DOWNLOADS

Large scale textile pressure sensor (PDF 546 kb)



Sefar BDH Inc.

200 rue Clement Gilbert
Saguenay QC, G7H 5B1 – Canada

Téléphone +1 418 690 0888
Fax +1 418 690 9499

info.bdh@sefar.com

[Aller à la page produit](#)



While conventional technologies often constrain product engineers and designers, forcing trade-offs between form, function, and comfort, Sefar's force sensitive resistor fabrics open the door to unprecedented design and application freedom.

Well suited for textile applications

The electrical resistance of the piezo-resistive fabric varies with the intensity of the applied pressure which can be measured by connecting electrodes to the fabric.

Customize your textile pressure sensor

Simply integrate the Sefar FSR-fabric as the functional layer into your pressure sensor and add the electrodes and electronic components depending on your use case.

Combine the fabric with any type of electrodes including heat printed, embroidered, sewn or stitched, laminated, sandwiched and many more.

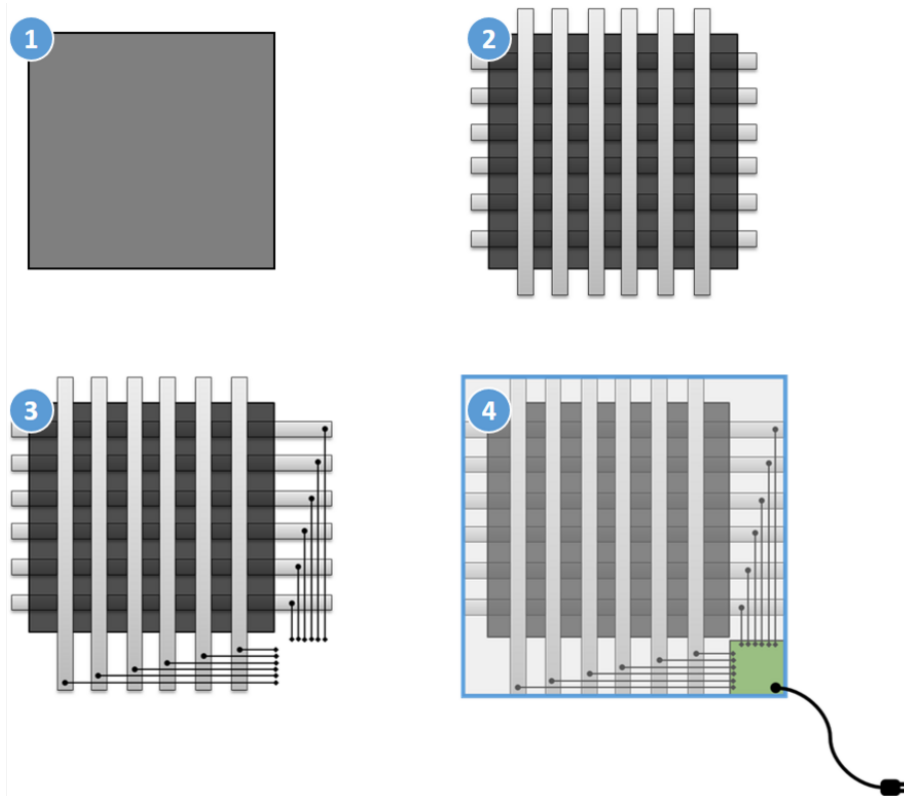
Sefar BDH Inc.

200 rue Clement Gilbert
Saguenay QC, G7H 5B1 – Canada

Téléphone +1 418 690 0888
Fax +1 418 690 9499

info.bdh@sefar.com

[Aller à la page produit](#)



1. Sefar force-sensing resistor fabric (FSR) as central building block.
2. Electrodes are applied to generate an FSR matrix.
3. Electrodes are contacted to connect them to the electronics.
4. Electronics are connected to complete the full package sensor system

Build your pressure sensor with Sefar PreSense FSR fabric

Conventional pressure sensing technologies often don't live up to the standards of equipment manufacturers and their customers:

- Maintaining measurement precision over time is a challenge
- Current solutions lack comfort and breathability
- Size and customization limitations restrict design freedom

Break free from these constraints with SEFAR PresSense force-sensing resistor fabric and combine unmatched quality, comfort, and versatility in your pressure sensing solution.

Sefar BDH Inc.

200 rue Clement Gilbert
 Saguenay QC, G7H 5B1 – Canada

Téléphone +1 418 690 0888
 Fax +1 418 690 9499

info.bdh@sefar.com

[Aller à la page produit](#)

Locations



Sefar BDH Inc.

200 rue Clement Gilbert
Saguenay QC, G7H 5B1 – Canada
Phone: +1 418 690 0888
Fax: +1 418 690 9499

 [E-Mail](mailto:info.bd@sefar.com)



Sefar Inc.

Kansas City, MO – USA
Phone: 800 995 0531
Fax: +1 816 452 2183

 [E-Mail](mailto:info@sefar.com)



Sefar Inc.

Los Angeles, CA – USA
Phone: 800 995 0531
Fax: +1 909 544 5901

 [E-Mail](mailto:info@sefar.com)



Sefar Inc.

Gray, GA – USA
Phone: 800 995 0531
Fax: +1 478 986 6953

 [E-Mail](mailto:info@sefar.com)

Sefar BDH Inc.

200 rue Clement Gilbert
Saguenay QC, G7H 5B1 – Canada

Téléphone +1 418 690 0888
Fax +1 418 690 9499

info.bd@sefar.com

[Aller à la page produit](#)



Sefar Inc.

111 Calumet Street
Buffalo, NY 14043 – USA
Phone: 800 995 0531
Fax:

■ **E-Mail**

Sefar BDH Inc.

200 rue Clement Gilbert
Saguenay QC, G7H 5B1 – Canada

Téléphone +1 418 690 0888
Fax +1 418 690 9499

info.bdh@sefar.com

[Aller à la page produit](#)